Work Order ID 56607  Tuesday, March 02, 2010 8:59:03 AM											Page 1
Item ID: Revision ID:	D130-780-0	15		Accept					Sétup Sta		
Item Name:	Closeout Insta	allation							St	ор	
Start Date: Required Date:	3/3/2010 3/24/2010	Start Qty: 2.00 Req'd Qty: 2.00	1 (00)		Cust Item I Customer:	D:					
Reference: Approvals:	Process Pla	ın: <i>MF</i>	Date: [0-3-1.	Tooling:	Da	ate:		I			
	QC:		Date:	<b>SPC (Y/N):</b>	Da	ate:			St	op	
Sequence ID/ Work Center II	<b>D</b>	Operation Description		Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr									
IIN-D130-780	В	. 1931725-3		0.00							
				0.00				4	for:	BG 10	065/31
DC Document Control		Memo Photoco CHG00	py bluefile &type labels per PPI l	0.00 P D130-780-015	10/06/01				•		100100
, 110		Pick Kit		0.00	,				<b>-</b>		Dzk,
Packaging Packaging		Memo		0.00				j0 -	2 -0	28 Q	<u> </u>
120 11 <b>331</b> 1 (111 <b>1</b> 11 <b>3</b> 1) <b>131</b> 1 (1 <b>31</b> )		QC4- 100% Inspect	kits for completeness	0.00	1						
QC Quality Control		Memo		0.00	olo (			12			

W/O:	•		WC	RK ORDER CHANG	ES				,	£
DATE	STEP	PRO	OCEDURE CHA	NGE	E	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
,										
Part No	:	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo <b>DQ</b>	<b>A</b> :	_ Date: _	
	Re	esolution:	Dispositio	n:	_ QA: N	I/C Clo	sed:		Date:	
NCR:		,	WORK ORD	ER NON-CONFORMA	ANCE (	NCR)	l			
DATE	STEP	Description of NC		Corrective Action Section		21	Verific		Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Chief Eng	QC Inspector
								******		
1	1	1	1 1		1		1		1	*

### Work Order ID 56607

Tuesday, March 02, 2010 8:59:03 AM



Page 2

Item ID:

D130-780-015

Accept

Setup Start

Stop

Start

Stop



**Revision ID:** 

Item Name:

Closeout Installation

**Start Date:** 

3/3/2010

OC:

Start Qty: 2.00

Required Date: 3/24/2010

Req'd Qty: 2.00



**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Operation

Description

Date: \_\_\_\_\_

Date: Tooling:

SPC (Y/N):

Set Up/

0.00

**Run Hours** 

Draw

Draw Number Rev.

Date:

Date:

Plan Code Accept **Qty** 

Reject Qty

Reject Insp. Number Stamp

130

Sequence ID/

Work Center ID

Packaging Packaging

Identify and pack for shipping as per PPP D130-780-015

Run

140

QC21- Final Inspection - Work Order Release

0.00



Quality Control

Memo

0.00

W/O:			WORK ORDS	R CHANGES				£ '	
DATE	STEP		PROCEDURE CHANGE			y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				:		 		{	
Part No	):	PAR #:	Fault Category:	NC	R: Yes	No <b>DQ</b>	A:	Date:	
	F	Resolution:	Disposition:	QA	: N/C (	Closed:		Date: _	

NCR:			CE (NCR)					
		Description of NC		Corrective Action Section B	3	Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Action Description Sign & Chief Eng Chief Eng Date		Section C	Chief Eng	QC Inspector	
				i				
				•				
NOTE: D	ate & initial	all entries		**************************************				<u> </u>

**Picklist Print** Page 1 Tuesday, March 02, 2010 8:59:03 AM 'Work Order ID: 56607 Parent Item: D130-780-015 Parent Item Name: Closeout Installation Start Date: 3/3/2010 Required Date: 3/24/2010 Comments: IPP RevA: New issue DD verified by:EC Start Qty: 2.00 Required Qty: 2.00 Component Item ID/ Replacement Mfg/ Bin **Primary** Last Unit of Route Qty on Remaining Qty Date Status Item Name Location Qty To Pick Issued Item ID Purch Item Location Seq ID Measure Hand Issued D3983-1. Manufactured No 110 Each 8.0000 2.0000 Outer Closeout Warehouse Loc Qty Loc Code Location Main Warehouse ST 53155 D3983-3 . 110 Manufactured No Each 8.0000 2.0000 Warehouse Loc Qty Loc Code Location Main Warehouse ST 8 53156 Manufactured No 110 Each 8.0000 2.0000 Hinge Closeout Loc Qty Warehouse Loc Code Location Main Warehouse

ST

53157

W/O:			WORK ORDER CHANGES										
DATE	STEP	PR	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
				·									
Part No	:	PAR #:	Fault Categ	ory:	_ NC	R: Yes	No DQ	<b>A:</b>	_ Date: _				
Resolution:			Disposition	<b>:</b>	_ QA	: N/C CI	osed:		Date: _				
NCR:			WORK ORDE	R NON-CONFORMA	ANCE	(NCF	1)						
DATE	OTED	Description of NC	Corrective Action				Verific	ation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign 8 Date	Secti		Chief Eng	QC Inspector			
					÷1.								
	1		1			ł				1			

Tuesday, March 02, 2010 8:59:03 AM

'Work Order ID: 56607

Parent Item:

D130-780-015

Parent Item Name:

Closeout Installation

IDD Day A. New icone DD verified by EC



**Start Date: 3/3/2010** 

Required Date: 3/24/2010

S4==4 O4== 2.00

Comments:	IPP RevA: New issi	ue DD verified by:	EC					;	Start Qty: 2.00		Required Qty: 2	2.00
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3983-047	III ÍNN DAN AD IDD	Manufactured	No			110	Each	9.0000	2.0000	10-3	.285	
				Warehou	use	Loc (	<u>Qty</u>	Loc Code			Ì	
				Loca	tion							
				Main Wa	rehouse							
				ST13	39		9		_			
•					53158		9		2	<u> </u>	_	

Screw

Manufactured

Purchased

No

110

Each

38.0000 2.0000

<u>Warehouse</u>	Loc	e Oty	Loc Code		
<b>Location</b>					
Main Warehouse					
ST139		38			_
52952		18			<u> </u>
53159		20			_
	110	Each	328.0000	4.0000	

10-5-28 5

<u>Warehouse</u>	Loc Oty	Loc Code	
Location			
Main Warehouse			
ST	328		
101203	14		
113524	300		<u>9</u>
113595	14		

W/O:			WORK ORDE	R CHANGES					7 *	
DATE	STEP	PR	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
				Ţ						
								:		
<b>D</b>								,		
Part No	):	PAR #:	Fault Category:	N	CR: Yes	No <b>DQ</b>	A:	Date: _		
Resolution:			Disposition:	Q	A: N/C C	Closed:		Date:		
NOD.			WORK ORDER NON-CO	ONFORMANC	E (NC	R)				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval	Approval		
DATE STEP		Section A	Initial Chief Eng			Section C				
				7.70						
****				NATE OF THE PROPERTY OF THE PR						
					İ			•		

Tuesday, March 02, 2010 8:59:03 AM

Work Order ID: 56607

D130-780-015

Parent Item Name:

Closeout Installation

**Comments:** 

Parent Item:

IPP RevA: New issue DD verified by:EC



Start Date: 3/3/2010

Required Date: 3/24/2010

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Prima Item Locati	-	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN525-10R24		Purchased	No		110	Each	314.0000	2.0000		1 777 2 77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
										20 00	



Loc Code Loc Qty

Location Main Warehouse ST

Warehouse

109238 113538 114056 314 108 200

740.0000 2.0000

Purchased

No

110

Each

X6 86.5.01 GPEHINY

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	740		
113064	29		
113288	711		

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
						1								
Part No	·-	PAR #: Fault Category:	NCR: Yes	No DO	۸٠	Date:								

Part No:	PAR #: Fa	ult Category:	NCR: Yes No DQA:	Date:
Resolution:	Dis	sposition:	QA: N/C Closed:	Date:

NCR:			WORK ORDER NON-CONFORMANCE (NCR)												
5.4==		Description of NC		Corrective Action Section B	Verification	Approval	Approval								
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector							
				,											
_				,											

## **Picklist Print**

Tuesday, March 02, 2010 8:59:03 AM

Work Order ID: 56607

Parent Item:

D130-780-015

Parent Item Name:

Closeout Installation

Comments:

IPP RevA: New issue DD verified by:EC



**Start Date:** 3/3/2010

Required Date: 3/24/2010

Page 4

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
MS21042L3 -		Purchased	No			110	Each	2,516.000	2.0000	N=5-00	< 0	90

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	2510		
110844	35		
111274	27		
111668	52		
112314	285		
112385	393		
113523	18		
113537	700		
113644	1000		2
Main Warehouse			
ST139	6		
111668	6		

#### **Dart Aerospace Ltd** W/O: **WORK ORDER CHANGES Approval Approval** DATE STEP **PROCEDURE CHANGE** By Date Qty Chief Eng / QC Inspector Prod Mgr Part No: \_\_\_\_\_\_ PAR #: \_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_ Date: \_\_\_\_ Resolution: \_\_\_\_\_ Disposition: \_\_\_\_ QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** DATE **STEP** Sign & **Action Description** Initial Section A QC Inspector Section C Chief Eng Chief Eng Chief Eng **Date**

# DART AEROSPACE LTD.



**IIN-D130-780** Page 32 of 34

#### 5.0 PARTS LIST

-041	-042	-043	-044	-011	-013	-015	Part Number	Description
Х							D130-780-041	SPACEPOD™ LH, EC 130 B4
	Х					-	D130-780-042	SPACEPOD™ RH, EC 130 B4
1		Х					D130-780-043	DOOR ASSEMBLY, LH
	1	·	х				D130-780-044	DOOR ASSEMBLY, RH
1				X;			D130-780-011	LH SLIDING DOOR HINGE KIT
1	1				Х		D130-780-013	SWITCH RELOCATION KIT
				1		X	D130-780-015	CLOSEOUT KIT
		-						
2	2						D3815-041	WEB ASSEMBLY
3	₹3::1					*	D3815-5	PACKER
<del></del>		1	1				D2589	KEYS, KEY CHAIN
1	1						D3837-1	DECAL
1	1			,			D3015-3	LOCK NUT
	,	1					D3186-3	SPACEPOD™ DOOR, LH
4.1			1				D3186-4	SPACEPOD™ DOOR, RH
1		_					D3798-041	FLOOR
	1						D3798-042	FLOOR
-1							D3188-5	SPACEPOD™ BODY
	1						D3188-6	SPACEPOD™ BODY
1	1						D3547-1	BRACKET
1	1						D3550-1	STRUT
		1	1				D3552-7	GAS SPRING
1	1						D3554-7	BALL STUD
		•						
4	14						AN3-3A	BOLT
4	4			:			AN3-6A	BOLT
2	2					<u> </u>	AN3-10A	BOLT
1	1			ļ			AN5-5A	BOLT
38	38					<u> </u>	AN525-10R7	SCREW
8	8					ļ	AN526C832R14	SCREW
6	6						MS24694S54	SCREW
7	7			ļ			MS24694S67	SCREW
1	1					<u> </u>	MS24694S69	SCREW
		2	2	<u> </u>			MS27039-0811	SCREW
8	8 '						A3235-020-935	WASHER
14	14	<u></u> ,	ļ. <u> </u>				NAS1149D0363J	WASHER
16	16						NAS1149D0332J	WASHER
		4	4	<u> </u>		<u> </u>	NAS1149DN832J	WASHER
3	3	ļ	ļ	ļ <u>.</u>			NAS1149D0563J	WASHER
	<u> </u>	. 2	2				NAS1515H3	NYLON WASHER
	ļ	2	2				MS21042L08	NUT
. 22	22		<u> </u>	ļ			MS21042L3	NUT (or MS21042-3)
1	1			,		<b>ļ</b>	MS21042L5	NUT
10_	10					ļ <u> </u>	AKS7-1032-130	INSERT
28**	28**			ļ		ļ	AKS7-1032-130	INSERT
10	10				<u> </u>	<u> </u>	MS21059L3	NUTPLATE
						,		

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Revision: **B**Date: 09.06.11

W/O:		WORK ORDER CHANGES													
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
<del></del>				7.			, 732								
Part No	•	PAR #:	Fault Cat	tegory:	NCR: Yes No DQA: Date:										
	R	esolution:	Disposit	Disposition: QA: N/C Closed: Date:											
NCR:		V	VORK ORI	DER NON-CONFORMA	NCE (NCR	)									
DATE	STEP	Description of NC		Corrective Action Section		Verification	Approval	Approval							
		Section A	Initial Chief Eng	Action Description Chief Eng			Chief Eng	QC Inspector							
		·				·.									
								Į							
				:											

# REFERENCE ONLY

## DART AEROSPACE LTD.

IIN-D130-780 Page 33 of 34

-041	-042	-043	-044	-011	-013	4015	Part Number	Description
					2		D3819-1	MALE SPADE CONNECTOR
··.					2	<del></del>	D3597-1	FEMALE SPADE CONNECTOR
				; ;	1		D3598-2-096	EXPANDABLE SLEEVE
					24		D3599-1	TIE-WRAP
177	<del></del>			-	24		D3600-1	TIE-WRAP MOUNT
					24			
					FT		M22759/41-22-9	WIRE
<u> </u>		1*	1*				D2464-1250	NEOPRENE SEAL
		<u> </u>				,	D2404-1230	NEOPRENE SEAL
1**		1*					D3837-3	DECAL
	1**		1*				D3837-4	DECAL
١.		-			*			
		2*	2*				D2586	LATCH
~		2*	2*	-			D2585	MOUNTING CHANNEL
		2*	2*			-	D2621	LATCH PLATE
ر کی دیدا		2*	2*		-		MS27039-1-15	SCREW
		2*	2*	.1			NAS1149D0363J	WASHER
- ·		2*	2*	<b>-</b>		<del>' - `</del>	MS21042L3	NUT (or MS21042-3)
-		1*	1*				D2857-1	HINGE BRACKET
		1*	1*	,			D2857-2	HINGE BRACKET
		2*	2*				D2228	BACKING PLATE
		8*	8*	- 3			AN526C832R10	SCREW
*******		8*	8*				NAS1149DN832J	WASHER
		8*	8*				MS21042L08	NUT
<del></del>		1*	1*				D3557-1	BRACKET
		2*	2*				D2228	BACKING PLATE
· , - ·		1*	1*			<del></del>	D3554-7	BALL STUD
		1*	1*				NAS1149D0563J	WASHER
		1*	1*				D3015-3	LOCK NUT
,	T	2*	2*	1	-		AN526C832R14	SCREW
		2*	2*			· · · · · · · · · · · · · · · · · · ·	AN526C832R10	SCREW
		4*	4*				NAS1149DN832J	WASHER
· · · · · · · · · · · · · · · · · · ·		4*	4*				MS21042L08	NUT
2**	2**						D2237	STRIKER PLATE
4**	4**						MS20426AD4-5	RIVET
2**	2**						D3538-1	HINGE BRACKET
2**	2**				_		D2179	HINGE BRACKET PLATE
4**	4**		ļ				AN526C832R24	SCREW
4**	4**		ļ				NAS1149DN832J	WASHER
4**	4**						MS21042L08	NUT
			1	1			D3813-041	HINGE ASSEMBLY, UPPER DOOR
				1		<del></del> -	D3813-043	HINGE ASSEMBLY, LOWER DOOR
	1		1	2***		L	D0010-040	ROD END

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Revision: **B**Date: 09.06.11

W/O:			V	ORK ORDER CH	ANGES							
DATE	STEP	PR	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
								1				
20.				· ·								
Part No:		PAR #:			NC	R: Yes	No DQ	<b>\</b> :	Date:			
	Res	solution:	Disposit	ion:	QA	N/C CI	osed:		Date: _			
NCR:			WORK OR	DER NON-CONFO	RMANCE	(NCR	()					
DATE	STEP	Description of NC	Corrective Action Section				Verific	ation	Approval	Approval		
DAIL	JILI	Section A	Initial Action Descr Chief Eng Chief Eng		otion 	Section C		Chief Eng	QC Inspector			
			i									
*			•									
										<b>]</b> .		

# REFERENCE ONLY

## **DART AEROSPACE LTD.**

IIN-D130-780 Page 34 of 34

-041	-042	-043	-044	-011	-013	-015	Part Number	Description
				2***		;.	NAS509-6	NUT
b. *	,			1		:	D3814-1	HINGE, UPPER AIRFRAME
-				1			D3814-3	HINGE, LOWER AIRFRAME
				2			D3816-1	SPACER
				4			D3816-3	SPACER
		, . <del></del>		1'			D3817-041	ANCHOR PLATE
				2			AN3-5A	BOLT
				3			AN3-7A	BOLT
				2			AN310-4	CASTLE NUT
				2			AN4-17	BOLT
				2			AN970-4	WASHER
***		***		5			MS21042L3	NUT
				2			MS24665-212	COTTER PIN
			i .	3			MS24694S46	SCREW
J.				8			NAS1149D0363J	WASHER
				2			NAS1149D0463J	WASHER
ŞF.								
				1		,	D3552-7	GAS SPRING
				2			D3622-1	BALL STUD
				1			D3820-1	DOOR SUPPORT
				2			MS21042L5	NUT
				2		-	NAS1149D0563J	WASHER
				1			D3892-1	SEAL
						, 1	D3983-1 /	OUTER CLOSEOUT
						1	D3983-3	INNER CLOSEOUT
77.						1	D3983-5	HINGE CLOSEOUT
				·		31	D3983-047	CLOSEOUT ATTACHMENT
		·				<u> </u>	D3983-9	SPACER
•						2	AN525-10R6	SCREW
`				l		1	AN525-10R24	SCREW
. ,	11.7			1		1	NAS1149D0363J	WASHER
٠,				<b>—</b> ——		1	MS21042L3 /	NUT

<sup>\*</sup> Pre-installed on D3186-3/-4 Spacepod™ Door

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Revision: **B** 

Date: 09.06.11

<sup>\*\*</sup> Pre-installed on D3188-5/-6 Spacepod™

<sup>\*\*\*</sup> Pre-installed on D3813-041/-043 Hinge Assemblies

W/O:			W	ORK ORDER CHANG	GES				;					
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
				i										
				ŧ										
				:				A**						
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes No DQA: Date:									
		esolution:												
NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
DATE	OTED	Description of NC	scription of NC Corrective Action Section				ation	Approval	Annroyal					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date			Chief Eng	Approval QC Inspector					
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